

Abstract

Biotinylated pharmacologically active agents and complexes containing same are disclosed. In particular, biotinylated-chemokines are described. The complexes further include an anti-biotin antibody that selectively binds to biotin. The complex 5 can be dissociated by contact with free biotin. The complexes are particularly useful for enhancing an immune response to tumor cells and virus-infected cells, *in vivo* or *in vitro*.